

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
2	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5cm thick (Page No 25., I.No.5.31.1 of KPWD S.R 2016-					2901.75	Sqm	89.42	259479.13
	Basic rate	628.00							
	11% AD-HOC	69.08							
	Sub Total-1	697.08							
	6% AW	41.82							
	Sub Total-2	738.90							
	Consider 15% of Total qty of Item no -1					1450.88			
						1450.88	Sqm	738.90	1072058.50
3	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc., complete as per the direction of engineer in charge								
	Basic rate	2100.00							
	Consider 15% of Total qty of Item no -1					547.50			
						547.50	Sqm	2100.00	1149750.00
4	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).								
	Basic rate	82.00							
	11% AD-HOC	9.02							
	Sub Total-1	91.02							
	6% AW	5.46							
	Sub Total-2	96.48							
	10km Id & It, transport	100.00							
	Sub Total-3	196.48							
	SFS 407								
	cross road-1	2	100.00	0.50	0.50	50.00			
	cross road-2	2	30.00	0.50	0.50	15.00			
	cross road-3	2	170.00	0.50	0.50	85.00			
	cross road-4	2	20.00	0.50	0.50	10.00			
	3rd A main	2	123.00	0.50	0.50	61.50			
	3rd A cross	2	133.00	0.50	0.50	66.50			
	cross road-5	2	137.00	0.50	0.50	68.50			
	cross road-6	2	148.00	0.50	0.50	74.00			
	cross road-7	2	64.00	0.50	0.50	32.00			
	1st cross	2	33.00	0.50	0.50	16.50			
	2nd main	2	110.00	0.50	0.50	55.00			
	2nd main- Mery school	2	205.00	0.50	0.50	102.50			
	cross road-10	2	37.00	0.50	0.50	18.50			
	3rd main	2	165.00	0.50	0.50	82.50			
	cross road	2	350.00	0.50	0.50	175.00			
	SFS 407								
	cross road-1	1	100.00	1.20	0.40	48.00			
	cross road-2	1	30.00	1.20	0.40	14.40			
	cross road-3	1	170.00	1.20	0.40	81.60			
	cross road-4	1	20.00	1.20	0.40	9.60			
	3rd A main	1	123.00	1.20	0.40	59.04			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	3rd A cross	1	133.00	1.20	0.40	63.84			
	cross road-5	1	137.00	1.20	0.40	65.76			
	cross road-6	1	148.00	1.20	0.40	71.04			
	cross road-7	1	64.00	1.20	0.40	30.72			
	1st cross	1	33.00	1.20	0.40	15.84			
	2nd main	1	110.00	1.20	0.40	52.80			
	2nd main- Mery school	1	205.00	1.20	0.40	98.40			
	cross road-10	1	37.00	1.20	0.40	17.76			
	3rd main	1	165.00	1.20	0.40	79.20			
	cross road	1	350.00	1.20	0.40	168.00			
	Bad reaches	12	14.00	6.50	0.40	436.80			
	culvert	2	7.00	1.50	1.20	25.20			
						2250.50	Cum	196.48	442180.94
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17								
	Basic rate	5046.00							
	11% AD-HOC	555.06							
	Sub Total-1	5601.06							
	6% AW	336.06							
	Sub Total-2	5937.12							
	culvert	2	7.00	1.50	0.15	3.15			
						3.15	Cum	5937.12	18,701.94
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.23/I.5.9)/ PWD SR 2016-17								
	Basic rate	5005.00							
	11% AD-HOC	550.55							
	Sub Total-1	5555.55							
	6% AW	333.33							
	Sub Total-2	5888.88							
	culvert	4	7.00	0.45	0.70	8.82			
						8.82	Cum	5888.88	51,939.95
7	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates at 0.78cum and fine aggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. (P.No.12, I.No.4.6 of PW, P&I WTD SR 2016-17)								
	Basic rate	5249.00							
	11% AD-HOC	577.39							
	Sub Total-1	5826.39							
	6% AW	349.58							
	Sub Total-2	6175.97							
	culvert	4	7.00	0.45	0.10	1.26			
						1.26	Cum	6175.97	7,781.73

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
8	Providing precast slab of 250 mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc., complete as per the direction of engineer in charge (Data rate)								
	Basic rate	5111.00							
		2	7.00	1.50		21.00			
						21.00	Sqm	5111.00	107331.00
9	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
	Basic rate	1571.00							
	11% AD-HOC	172.81							
	Sub Total-1	1743.81							
	6% AW	104.63							
	Sub Total-2	1848.44							
	SFS 407								
	cross road-1	1	100.00	1.20	0.150	18.00			
	cross road-2	1	30.00	1.20	0.150	5.40			
	cross road-3	1	170.00	1.20	0.150	30.60			
	cross road-4	1	20.00	1.20	0.150	3.60			
	3rd A main	1	123.00	1.20	0.150	22.14			
	3rd A cross	1	133.00	1.20	0.150	23.94			
	cross road-5	1	137.00	1.20	0.150	24.66			
	cross road-6	1	148.00	1.20	0.150	26.64			
	cross road-7	1	64.00	1.20	0.150	11.52			
	1st cross	1	33.00	1.20	0.150	5.94			
	2nd main	1	110.00	1.20	0.150	19.80			
	2nd main- Mery school	1	205.00	1.20	0.150	36.90			
	cross road-10	1	37.00	1.20	0.150	6.66			
	3rd main	1	165.00	1.20	0.150	29.70			
	cross road	1	350.00	1.20	0.150	63.00			
	Bad reaches	12	14.00	6.50	0.150	163.80			
						492.30	Cum	1848.44	909986.32
10	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)								
	Basic rate	1668.00							
	11% AD-HOC	183.48							
	Sub Total-1	1851.48							
	6% AW	111.09							
	Sub Total-2	1962.57							
	SFS 407								
	cross road-1	1	100.00	1.20	0.225	27.00			
	cross road-2	1	30.00	1.20	0.225	8.10			
	cross road-3	1	170.00	1.20	0.225	45.90			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	cross road-4	1	20.00	1.20	0.225	5.40			
	3rd A main	1	123.00	1.20	0.225	33.21			
	3rd A cross	1	133.00	1.20	0.225	35.91			
	cross road-5	1	137.00	1.20	0.225	36.99			
	cross road-6	1	148.00	1.20	0.225	39.96			
	cross road-7	1	64.00	1.20	0.225	17.28			
	1st cross	1	33.00	1.20	0.225	8.91			
	2nd main	1	110.00	1.20	0.225	29.70			
	2nd main- Mery school	1	205.00	1.20	0.225	55.35			
	cross road-10	1	37.00	1.20	0.225	9.99			
	3rd main	1	165.00	1.20	0.225	44.55			
	cross road	1	350.00	1.20	0.225	94.50			
	Bad reaches	12	14.00	6.50	0.225	245.70			
						738.45	Cum	1962.57	1449258.93
11	Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH Specification No.502 (P.No.160/lt No.21.6)								
	Basic rate	26.00							
	11% AD-HOC	2.86							
	Sub Total-1	28.86							
	6% AW	1.73							
	Sub Total-2	30.59							
	SFS 407								
	cross road-1	1	100.00	1.20		120.00			
	cross road-2	1	30.00	1.20		36.00			
	cross road-3	1	170.00	1.20		204.00			
	cross road-4	1	20.00	1.20		24.00			
	3rd A main	1	123.00	1.20		147.60			
	3rd A cross	1	133.00	1.20		159.60			
	cross road-5	1	137.00	1.20		164.40			
	cross road-6	1	148.00	1.20		177.60			
	cross road-7	1	64.00	1.20		76.80			
	1st cross	1	33.00	1.20		39.60			
	2nd main	1	110.00	1.20		132.00			
	2nd main- Mery school	1	205.00	1.20		246.00			
	cross road-10	1	37.00	1.20		44.40			
	3rd main	1	165.00	1.20		198.00			
	cross road	1	350.00	1.20		420.00			
	Bad reaches	12	14.00	6.50		1092.00			
	SFS 407 - Profile correction								
	cross road-1	1	100.00	2.00		200.00			
	cross road-2	1	30.00	3.00		90.00			
	cross road-3	1	170.00	2.50		425.00			
	cross road-4	1	20.00	2.80		56.00			
	3rd A main	1	123.00	2.00		246.00			
	3rd A cross	1	133.00	2.40		319.20			
	cross road-5	1	137.00	2.70		369.90			
	cross road-6	1	148.00	3.00		444.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	cross road-7	1	64.00	2.00		128.00			
	1st cross	1	33.00	2.10		69.30			
	2nd main	1	110.00	1.90		209.00			
	2nd main- Mery school	1	205.00	3.10		635.50			
	cross road-10	1	37.00	3.50		129.50			
	3rd main	1	165.00	2.60		429.00			
	cross road	1	350.00	2.40		840.00			
12	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.162&163 It.No.21.17.6)					7872.40	Sqm	30.59	240829.31
	Basic rate	6717.00							
	11% AD-HOC	738.87							
	Sub Total-1	7455.87							
	6% AW	447.35							
	Sub Total-2	7903.22							
	SFS 407								
	cross road-1	1	100.00	1.20	0.05	6.00			
	cross road-2	1	30.00	1.20	0.05	1.80			
	cross road-3	1	170.00	1.20	0.05	10.20			
	cross road-4	1	20.00	1.20	0.05	1.20			
	3rd A main	1	123.00	1.20	0.05	7.38			
	3rd A cross	1	133.00	1.20	0.05	7.98			
	cross road-5	1	137.00	1.20	0.05	8.22			
	cross road-6	1	148.00	1.20	0.05	8.88			
	cross road-7	1	64.00	1.20	0.05	3.84			
	1st cross	1	33.00	1.20	0.05	1.98			
	2nd main	1	110.00	1.20	0.05	6.60			
	2nd main- Mery school	1	205.00	1.20	0.05	12.30			
	cross road-10	1	37.00	1.20	0.05	2.22			
	3rd main	1	165.00	1.20	0.05	9.90			
	cross road	1	350.00	1.20	0.05	21.00			
	Bad reaches	12	14.00	6.50	0.05	54.60			
	SFS 407 - Profile correction								
	cross road-1	1	100.00	2.00	0.05	10.00			
	cross road-2	1	30.00	3.00	0.05	4.50			
	cross road-3	1	170.00	2.50	0.05	21.25			
	cross road-4	1	20.00	2.80	0.05	2.80			
	3rd A main	1	123.00	2.00	0.05	12.30			
	3rd A cross	1	133.00	2.40	0.05	15.96			
	cross road-5	1	137.00	2.70	0.05	18.50			
	cross road-6	1	148.00	3.00	0.05	22.20			
	cross road-7	1	64.00	2.00	0.05	6.40			
	1st cross	1	33.00	2.10	0.05	3.47			
	2nd main	1	110.00	1.90	0.05	10.45			

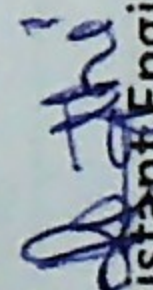
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	2nd main- Mery school	1	205.00	3.10	0.05	31.78			
	cross road-10	1	37.00	3.50	0.05	6.48			
	3rd main	1	165.00	2.60	0.05	21.45			
	cross road	1	350.00	2.40	0.05	42.00			
13	KSRRB 500-7:Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black topped surface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.160 & I.No.21.7)								
	Basic rate	11.00							
	11% AD-HOC	1.21							
	Sub Total-1	12.21							
	6% AW	0.73							
	Sub Total-2	12.94							
	SFS 407								
	cross road-1	1	100.00	6.80		680.00			
	cross road-2	1	30.00	8.50		255.00			
	cross road-3	1	170.00	5.80		986.00			
	cross road-4	1	20.00	6.80		136.00			
	3rd A main	1	123.00	5.00		615.00			
	3rd A cross	1	133.00	5.70		758.10			
	cross road-5	1	137.00	5.90		808.30			
	cross road-6	1	148.00	6.00		888.00			
	cross road-7	1	64.00	5.00		320.00			
	1st A main	1	273.00	4.30		1173.90			
	1st B main	1	235.00	4.90		1151.50			
	1st cross	1	33.00	5.00		165.00			
	2nd main	1	110.00	4.00		440.00			
	2nd main- Mery school	1	205.00	6.50		1332.50			
	cross road-8	1	33.00	4.00		132.00			
	cross road-9	1	38.00	3.50		133.00			
	2nd B main	1	182.00	4.60		837.20			
	cross road-10	1	37.00	7.50		277.50			
	3rd main	1	165.00	5.20		858.00			
	cross road	1	350.00	5.50		1925.00			
						13872.00	Sqm	12.94	179539.75
14	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)								
	Basic rate	7659.00							
	11% AD-HOC	842.49							
	Sub Total-1	8501.49							
	6% AW	510.09							
	Sub Total-2	9011.58							
	SFS 407								
	cross road-1	1	100.00	6.80	0.04	27.20			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	cross road-2	1	30.00	8.50	0.04	10.20			
	cross road-3	1	170.00	5.80	0.04	39.44			
	cross road-4	1	20.00	6.80	0.04	5.44			
	3rd A main	1	123.00	5.00	0.04	24.60			
	3rd A cross	1	133.00	5.70	0.04	30.32			
	cross road-5	1	137.00	5.90	0.04	32.33			
	cross road-6	1	148.00	6.00	0.04	35.52			
	cross road-7	1	64.00	5.00	0.04	12.80			
	1st A main	1	273.00	4.30	0.04	46.96			
	1st B main	1	235.00	4.90	0.04	46.06			
	1st cross	1	33.00	5.00	0.04	6.60			
	2nd main	1	110.00	4.00	0.04	17.60			
	2nd main- Mery school	1	205.00	6.50	0.04	53.30			
	cross road-8	1	33.00	4.00	0.04	5.28			
	cross road-9	1	38.00	3.50	0.04	5.32			
	2nd B main	1	182.00	4.60	0.04	33.49			
	cross road-10	1	37.00	7.50	0.04	11.10			
	3rd main	1	165.00	5.20	0.04	34.32			
	cross road	1	350.00	5.50	0.04	77.00			
15	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)					554.88	Cum	9011.58	5000345.18
	Basic rate	512.00							
	11% AD-HOC	56.32							
	Sub Total-1	568.32							
	6% AW	34.10							
	Sub Total-2	602.42							
	SFS 407								
	cross road-1	2	100.00	0.10		20.00			
	cross road-2	2	30.00	0.10		6.00			
	cross road-3	2	170.00	0.10		34.00			
	cross road-4	2	20.00	0.10		4.00			
	3rd A main	2	123.00	0.10		24.60			
	3rd A cross	2	133.00	0.10		26.60			
	cross road-5	2	137.00	0.10		27.40			
	cross road-6	2	148.00	0.10		29.60			
	cross road-7	2	64.00	0.10		12.80			
	1st A main	2	273.00	0.10		54.60			
	1st B main	2	235.00	0.10		47.00			
	1st cross	2	33.00	0.10		6.60			
	2nd main	2	110.00	0.10		22.00			
	2nd main- Mery school	2	205.00	0.10		41.00			
	cross road-8	2	33.00	0.10		6.60			
	cross road-9	2	38.00	0.10		7.60			
	2nd B main	2	182.00	0.10		36.40			
	cross road-10	2	37.00	0.10		7.40			
	3rd main	2	165.00	0.10		33.00			

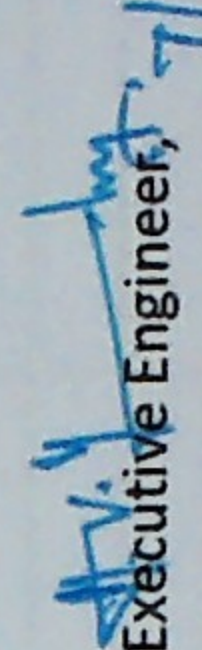
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	cross road	2	350.00	0.10		70.00			
16	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete (P.No-25, I No-5.30)					517.20	Sqm	602.42	311571.21
	Basic rate	313.00							
	11% AD-HOC	34.43							
	Sub Total-1	347.43							
	6% AW	20.85							
	Sub Total-2	368.28							
	missing/damaged	2	220.00			440.00			
	B = A/0.45				A	440.00			
					B	978.00	Nos	368.28	360173.73
17	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-183, I No-24.1)								
	Basic rate	60.00							
	11% AD-HOC	6.60							
	Sub Total-1	66.60							
	6% AW	4.00							
	Sub Total-2	70.60							
		2	2200.00	0.35		1540.00			
						1540.00	Sqm	70.60	108717.84
	Total Construction Cost								14780511.78
	DPR & PMC Charges								219400.00
	Sub Total								14999911.78
	Utility Shifting, Miscellaneous, Rounding off								88.22
	GRAND TOTAL								15000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates. 11% AD-HOC is added as per order issued on 06-02-2018


Assistant Engineer

Asst. Executive Engineer,

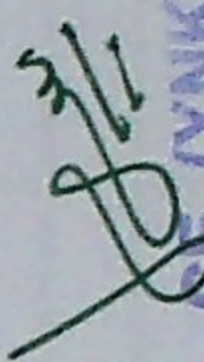

Executive Engineer,
Yelahanka Division,
BBMP Bangalore

Administrative Approval

Accorded For
Head of A/C.....
CER NO : Dt:..

Technical Sanction
Accorded For 15000000
Head of A/C P. 2178
CER NO : Dt: 08/02/2018

E.E. (Project)


TA
(YNK)